

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. ACAD/0002		Serial No. 10/612,594 Unknown	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant Hwang et al.		Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date Herewith		Group Unknown 1636	
Examiner Unknown Michele Joike								
U.S. Patent Documents								
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	
MKJ	A1	6,083,690	07/04/00	Harris et al.	435	6	06/02/95	
↓	A2	6,159,696	12/12/00	Dijkema et al.	435	6	11/20/97	
	A3	6,379,961	04/30/02	Jessell et al.	435	377	09/20/96	
	A4	6,458,944	10/01/02	Kawai et al.	536	23.5	04/22/99	
	A5	6,475,735	11/05/02	Sugiura	435	6	04/22/99	
OTHER ART								
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.						
MKJ	B1	Alexander, et al., "Screening Mosaic F1 Females for Mutations Affecting Zebrafish Heart Induction and Patterning", <u>Dev. Genet.</u> , 22:288-299 (1998)						
↓	B2	Amsterdam et al., "The Aequorea Victoria green fluorescent protein can be used as a reporter in live zebrafish embryos", <u>Dev. Biol.</u> , 171:123-129 (1995)						
	B3	Blader et al., "Cleavage of the BMP-4 Antagonist Chordin by Zebrafish Tolloid", <u>Science</u> , 278:1937-1940 (1997)						
	B4	Carvajal et al., "A BAC transgenic analysis of the Mrf4/Myf5 locus reveals interdigitated elements that control activation and maintenance of gene expression during muscle development", <u>Development</u> , 128:1857-1868 (2001)						
	B5	Chen et al., "Left-right pattern of cardiac BMP4 may drive asymmetry of the heart in zebrafish", <u>Development</u> , 124:4373-4382 (1997)						
	B6	Chin et al., "Bone morphogenetic protein-4 expression characterizes inductive boundaries in organs of developing zebrafish", <u>Dev. Genes. Evol.</u> , 202:107-114 (1997)						
	B7	Culp et al., "High-frequency germ-line transmission of plasmid DNA sequences injected into fertilized zebrafish eggs", <u>Proc. Natl. Acad. Sci. USA</u> , 88:7953-7957 (1991)						
	B8	Donovan et al., "Rapid Purification of Bacteriophage λ DNA", <u>BioTechniques</u> , 15:602:603 (1993)						
	B9	Feng et al., "The mouse bone morphogenetic protein-4 gene: analysis of promoter utilization in fetal rat calvarial osteoblasts and regulation by COUP-TFI orphan receptor", <u>J. Biol. Chem.</u> , 270:28364-28373 (1995)						
	↓	B10	Fu et al., "Viral sequences enable efficient and tissue-specific expression of transgenes in Xenopus", <u>Nature Biotech.</u> , 16:253:257 (1998)					
Examiner <u>Michele K Joike</u>					Date Considered <u>7/14/06</u>			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant..								

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. ACAD/0002		Serial No. 101612, 554 Unknown	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant Hwang et al.		Confirmation No.: Unknown	
(Use several sheets if necessary)		Filing Date		Group	
Examiner Unknown Michele Soike		Herewith		Unknown 1636	
U.S. Patent Documents					
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class Subclass Filing Date If Appropriate
OTHER ART					
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.			
MKJ	B11	Gaussin et al., "Endocardial cushion and myocardial defects after cardiac myocyte-specific conditional deletion of the bone morphogenetic protein receptor ALK3", <u>Proc. Natl. Acad. Sci. USA</u> , 99:2878-2883 (2002)			
	B12	Gong, Z. and Hew, C., "Transgenic Fish in Aquaculture and Developmental Biology", <u>Curr. Topics Dev. Biol.</u> , 30:177-214 (1995)			
	B13	Hammerschmidt et al., "Genetic analysis of dorsoventral pattern formation in the zebrafish: requirement of a BMP-like ventralizing activity and its dorsal repressor", <u>Genes. Dev.</u> , 10:2452-2461 (1996)			
	B14	Hogan, B., "Bone morphogenic proteins in development", <u>Curr. Opin. Genet. Dev.</u> , 6:432-438 (1996a)			
	B15	Hogan, B., "Bone morphogenic proteins: multifunctional regulators of vertebrate development", <u>Curr. Opin. Genet. Dev.</u> , 10:1580-1594 (1996b)			
	B16	Hsiao et al., "Enhanced Expression and Stable Transmission of Transgenes Flanked by Inverted Terminal Repeats From Adeno-Associated Virus in Zebrafish", <u>Dev. Dynam.</u> , 220:323-336 (2001)			
	B17	Hu, et al., "Structure and Function of the Developing Zebrafish Heart", <u>Anatom. Rec.</u> , 260:148-157 (2000)			
	B18	Hwang et al., "The Zebrafish BMP4 Gene: Sequence Analysis and Expression Pattern During Embryonic Development", <u>DNA Cell Biol.</u> , 16:1003-1011 (1997)			
	B19	Jones et al., "Involvement of Bone Morphogenetic Protein-4 (BMP-4) and Vgr-1 in morphogenesis and neurogenesis in the mouse", <u>Development</u> , 111:531-542 (1991)			
	B20	Ju et al., "Faithful Expression of Green Fluorescent Protein (GFP) in Transgenic Zebrafish Embryos Under Control of Zebrafish Gene Promoters", <u>Dev. Genet.</u> , 12:158-167 (1999)			
	B21	Marini et al., "Presistence and Replication of Plasmid DNA Microinjected into Early Embryos of <i>Xenopus laevis</i> ", <u>Dev. Biol.</u> , 127:421-434 (1988)			
↓	B22	Martinez-Barbera et al., "Cloning and expression of three members of the zebrafish Bmp family: Bmp2a, Bmp2b and Bmp 4", <u>Gene</u> , 198:53-59 (1977)			
Examiner		Michele Soike		Date Considered 7/14/06	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant..					

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. ACAD/0002	Serial No. Unknown 10/612,594
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant Hwang et al.	Confirmation No.: Unknown
(Use several sheets if necessary)		Filing Date	Group
Examiner Unknown Joike		Herewith	Unknown 1636

U.S. Patent Documents

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
OTHER ART						
*Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.					
MKJ	B23	Mowbray et al., "Expression of BMP signalling pathway members in the developing zebrafish inner ear and lateral line", <u>Mechanisms of Development</u> , 108:179-184 (2001)				
	B24	Muller et al., "Intronic enhancers control expression of zebrafish <i>sonic hedgehog</i> in floor plate and notochord", <u>Development</u> , 126:2103-2116 (1999)				
	B25	Nikaido et al., "Conservation of BMP signaling in zebrafish mesoderm patterning", <u>Mechanisms of Development</u> , 61:75-88 (1997)				
	B26	Ozkaynak et al., "Osteogenic Protein-2", <u>J. Biol. Chem.</u> , 267:25220-25227 (1992)				
	B27	Park et al., "Analysis of Upstream Elements in the <i>HuC</i> Promoter Leads to the Establishment of Transgenic Zebrafish with Fluorescent Neurons", <u>Dev. Bio.</u> , 227:279-293 (2000)				
	B28	Schilling et al., "Regulation of Left-Right Asymmetries in the Zebrafish by <i>Shh</i> and <i>BMP4</i> ", <u>Dev. Bio.</u> , 210:277-289 (1999)				
	B29	Schultheiss et al., "A role for bone morphogenetic proteins in the induction of cardiac myogenesis", <u>Genes & Dev.</u> , 11:451-462 (1997)				
	B30	Shafizadeh et al., "Transgenic Zebrafish Expressing Green Fluorescent Protein", <u>Methods in Molecular Biology</u> , 183:225-233				
	B31	Stuart et al., "Replication, integration and stable germ-line transmission of foreign sequences injected into early zebrafish embryos", <u>Development</u> , 103:403-412 (1988)				
	B32	Stuart et al., "Stable lines of transgenic zebrafish exhibit reproducible patterns of transgene expression", <u>Development</u> , 109:577-584 (1990)				
	B33	Van den Wijngaard et al., "Genomic Organization of the Human Bone Morphogenetic Protein-4 Gene: Molecular Basis for Multiple Transcripts", <u>Biochem. And BioPhys. Res. Comm.</u> , 219:789-794 (1996)				
↓	B34	Yelon et al., "Patterning during organogenesis: genetic analysis of cardiac chamber formation", <u>Cell & Dev. Bio.</u> , 10:93-98 (1999)				

Examiner <u>Michele K Joike</u>	Date Considered <u>7/14/06</u>
---------------------------------	--------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant..

U.S. Department of Commerce, Patent and Trademark Office		Docket No.	Serial No.
(PTO Form 1449 modified)		ACAD/0002	10/6/2,554 Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant	Confirmation No.:
		Hwang et al.	Unknown
(Use several sheets if necessary)		Filing Date	Group
	Examiner Unknown Jo, Ke	Herewith	Unknown 1636

U.S. Patent Documents

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
-------------------	-----------------	------------	-------------------	-------	----------	----------------------------

OTHER ART

[illegible]

Examiner	Michelle V. Gabe	Date Considered	7/14/06
----------	------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant..